

Title (en)

SYNTHESIS OF TAXOL, ANALOGS AND INTERMEDIATES WITH VARIABLE A-RING SIDE CHAINS

Title (de)

SYNTHESE VON TAXOL, SEINEN ANALOGEN UND INTERMEDIATEN MIT VARIABLEN A-RING SEITENKETTEN

Title (fr)

SYNTHESE DE TAXOL, D'ANALOGUES ET D'INTERMEDIAIRES DE TAXOL PRESENTANT DES CHAINES LATERALES DU CYCLE A VARIABLES

Publication

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Application

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Priority

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Abstract (en)

[origin: EP1260507A1] An efficient protocol for the synthesis of taxol, taxol analogs, and their intermediates is described. The process includes the attachment of the taxol A-ring side chain to baccatin III and for the synthesis of taxol and taxol analogs with variable A-ring side chain structures. A rapid and highly efficient esterification of O-protected isoserine and 3-phenylisoserine acids having N-benzyloxycarbonyl groups to the C-13 hydroxyl of 7-O-protected baccatin III is followed by a deprotection-acylation sequence to make taxol, calphalomannine and various analogs, including photoaffinity labeling candidates.

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C07D 305/14

IPC 8 full level

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CPC (source: EP US)

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